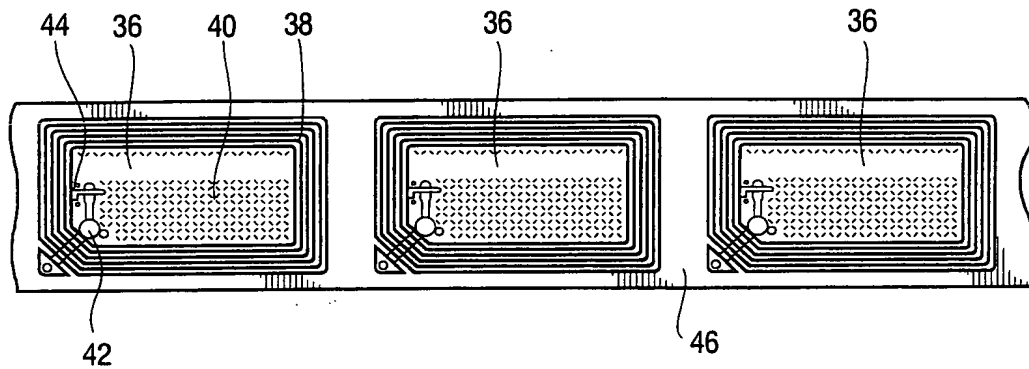


Diagram illustrating a prior art take-up mechanism. A web 10 is shown being processed by a series of rollers. The web 10 is fed from the left, passes through a roller 14, then a roller 22, and a roller 24. It then passes through a roller 28 and a roller 30. The web 10 is then wound onto a take-up roll 20. The take-up roll 20 is mounted on a vertical shaft 12, which is supported by a frame 34. The take-up roll 20 is driven by a motor 32. The web 10 is shown being wound onto the take-up roll 20, with the web 10 being guided by a roller 16 and a roller 18. The diagram is labeled "PRIOR ART" at the top.

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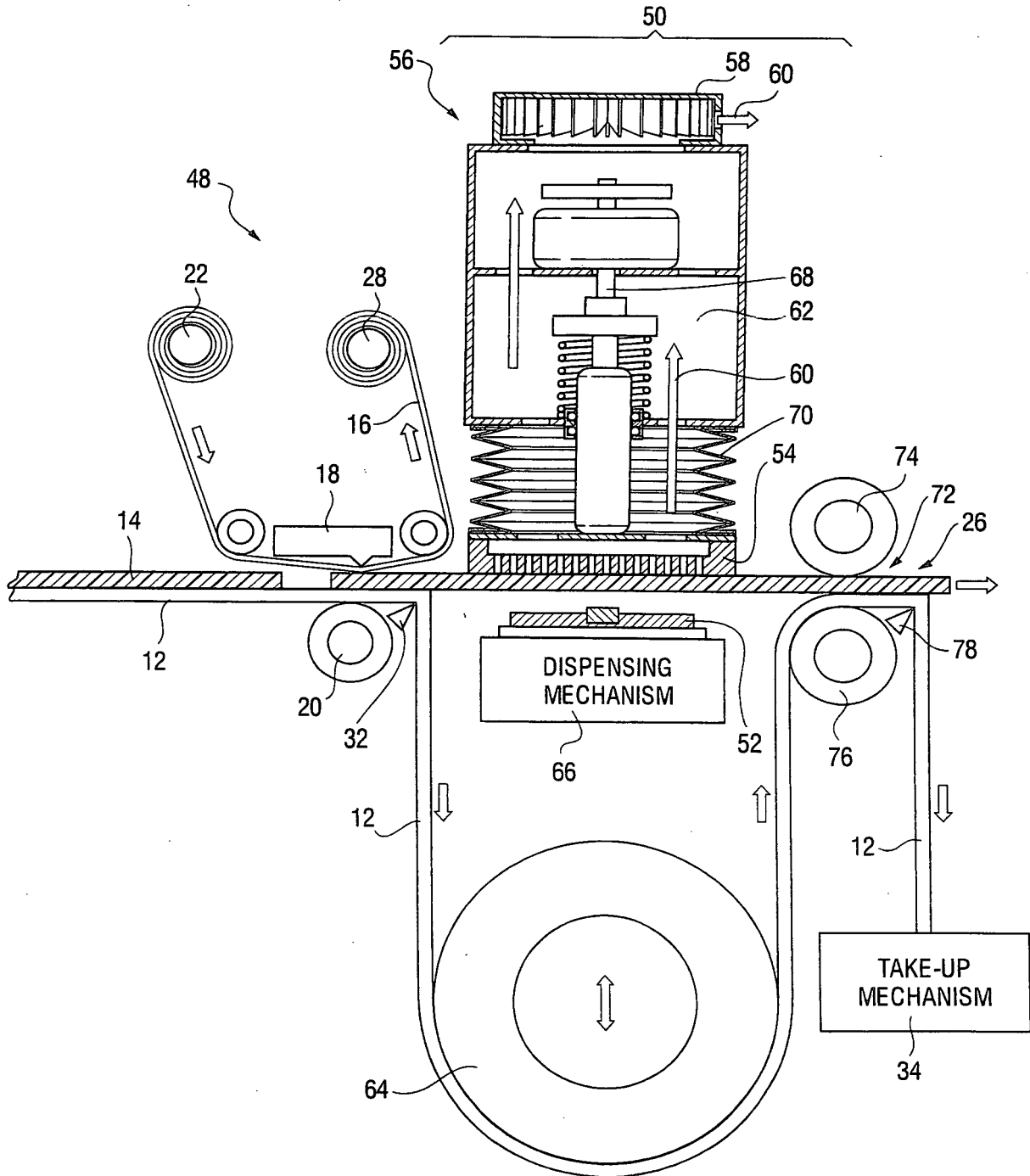
Fig. 2
PRIOR ART



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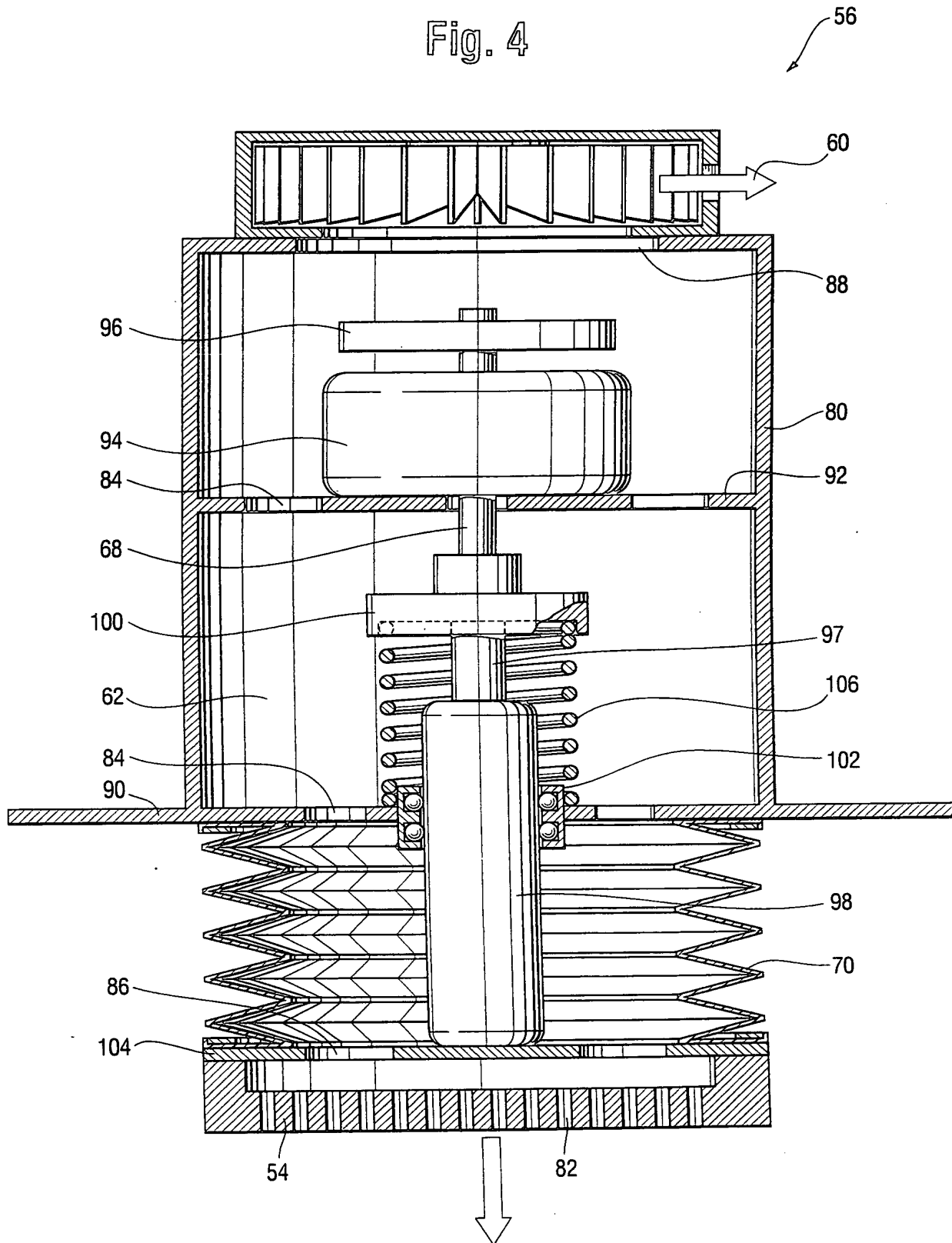
Fig. 3



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Fig. 4



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Fig. 5

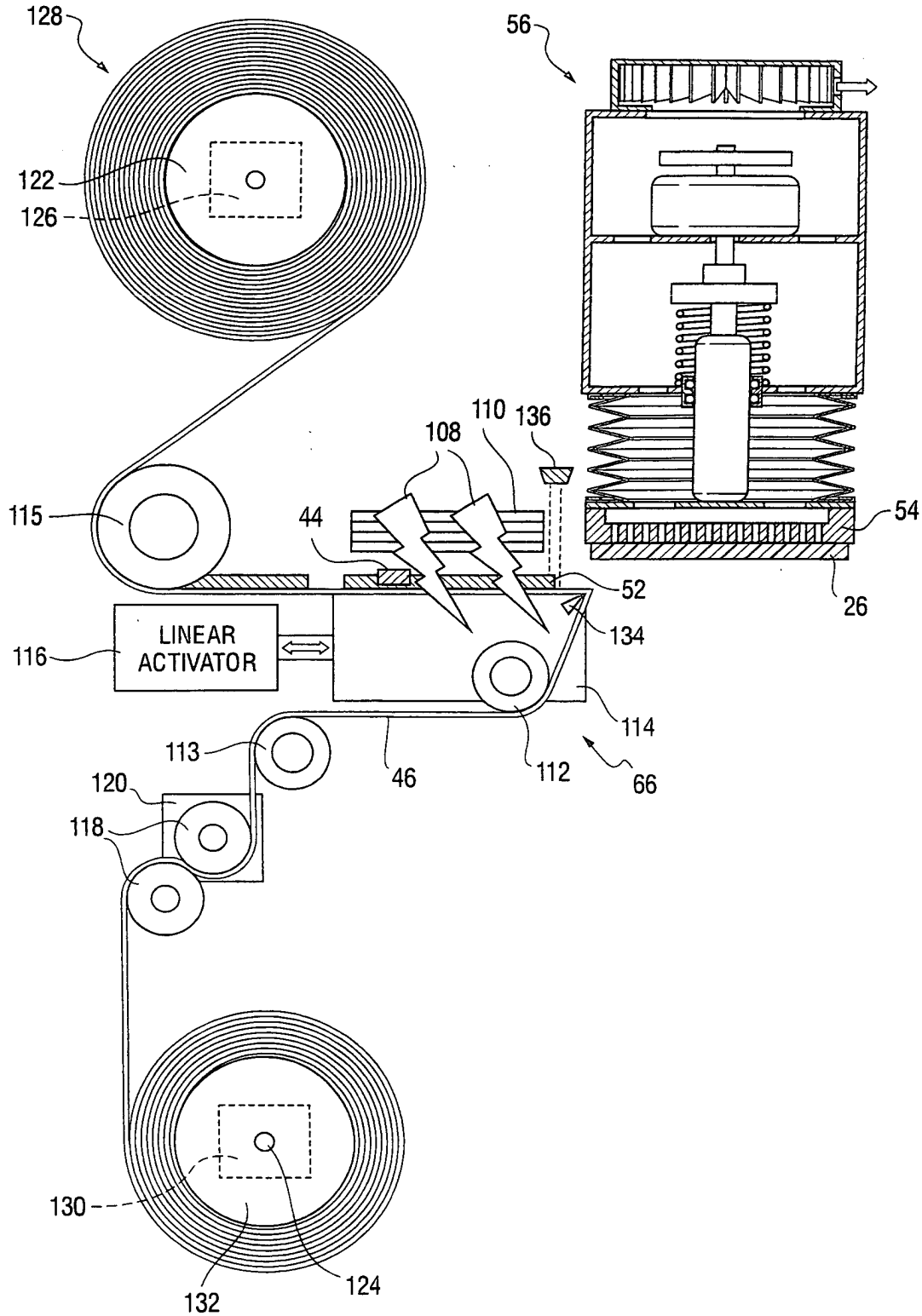
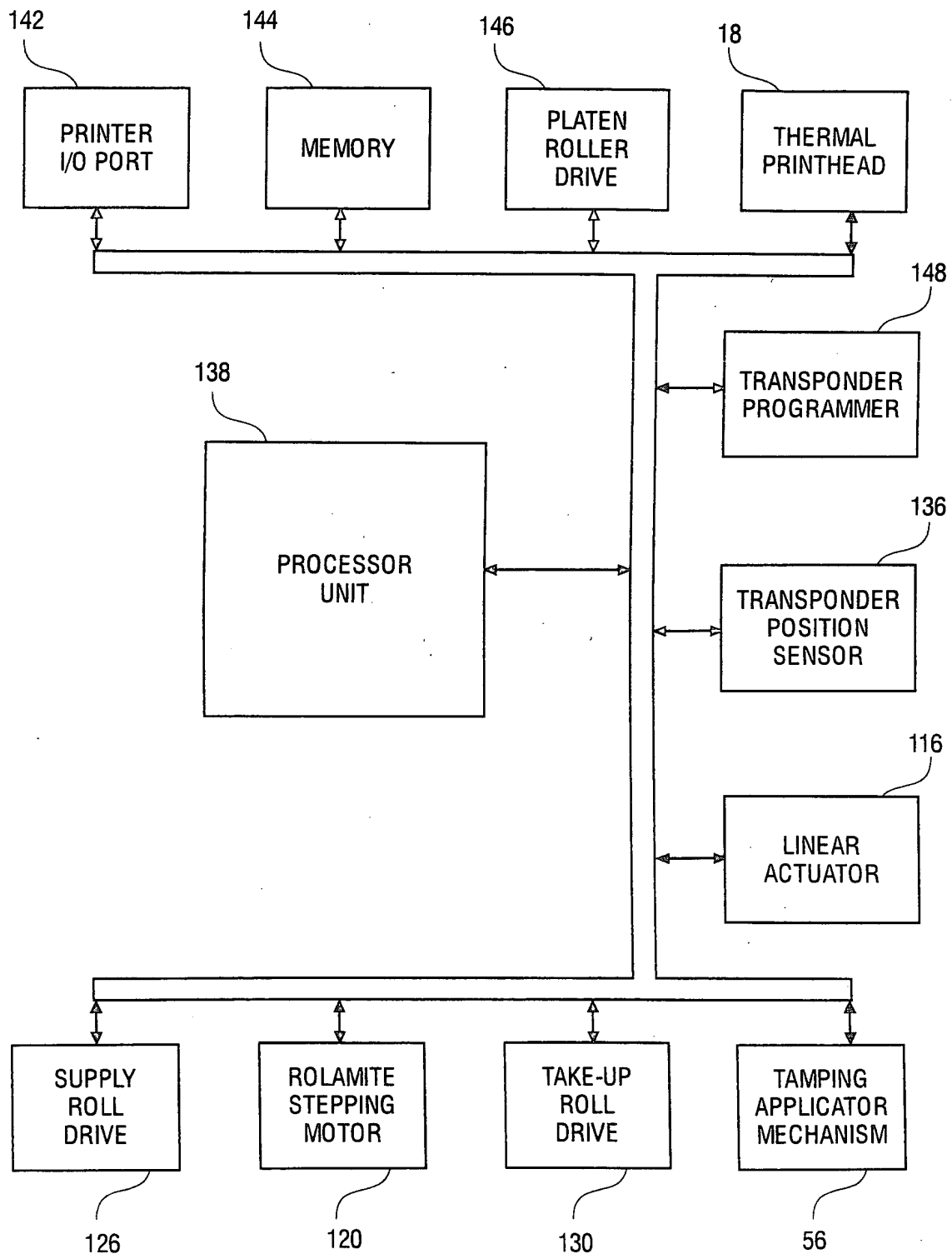


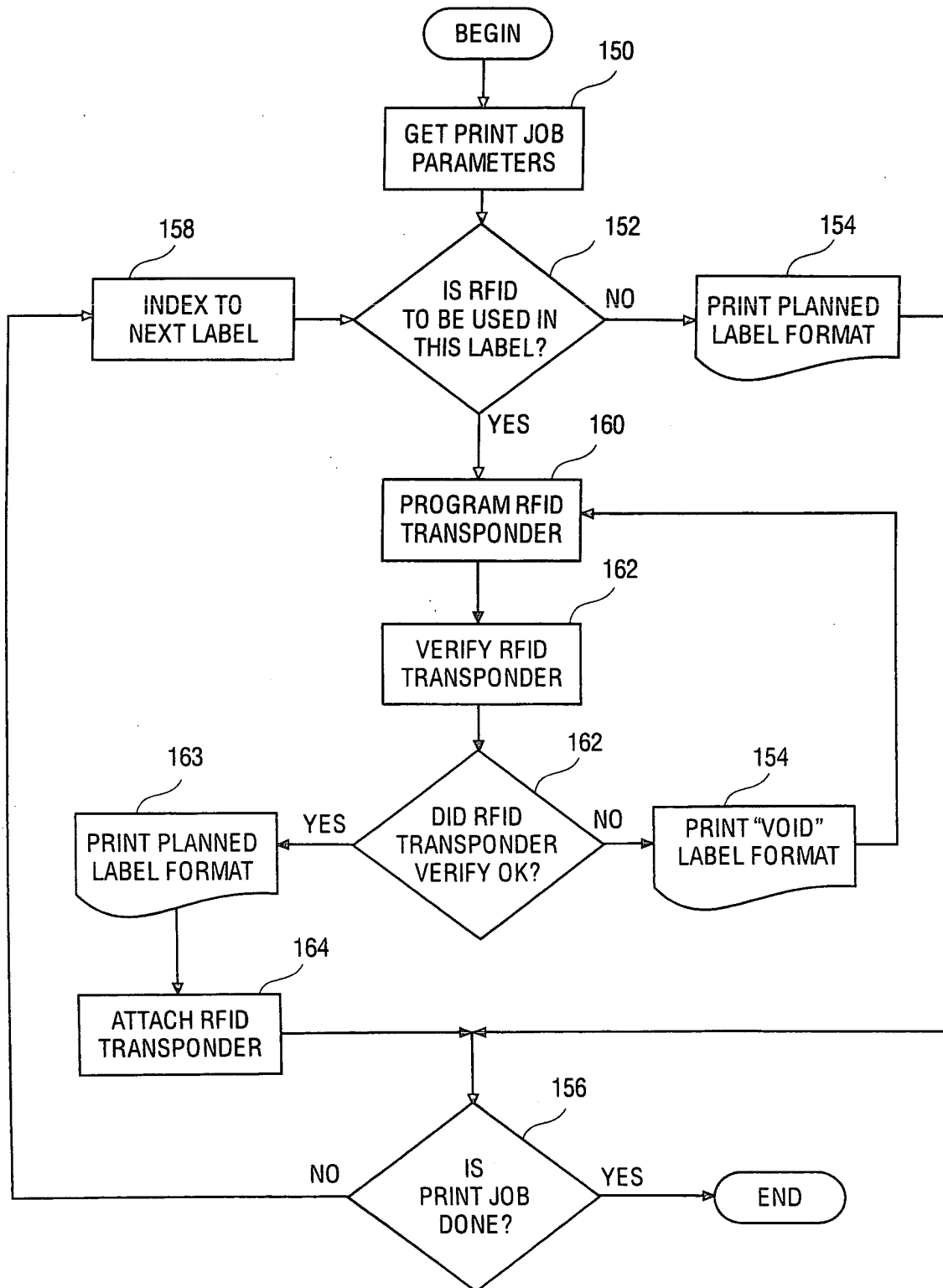
FIG. 5

FIG. 10



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FIG. 7

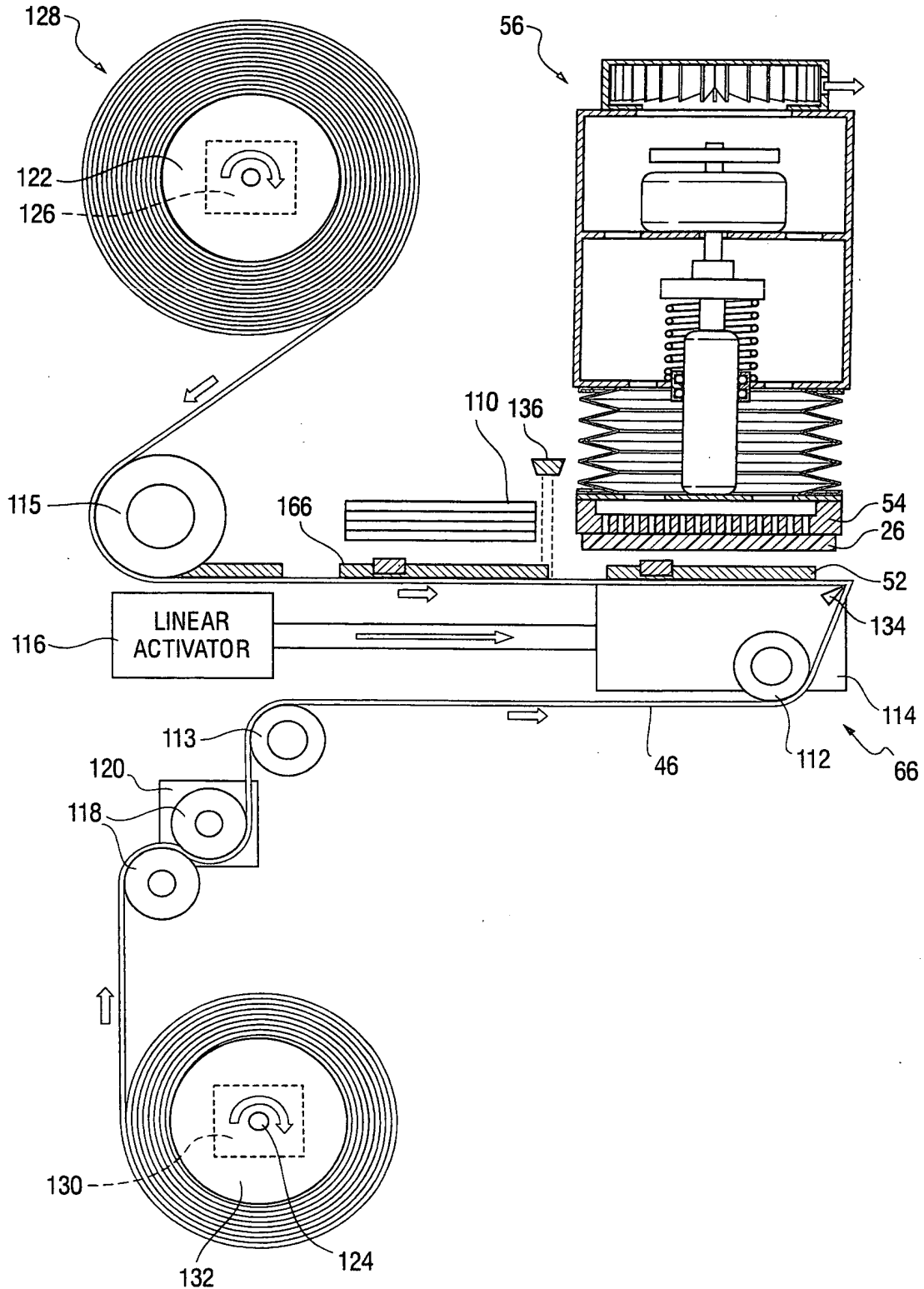


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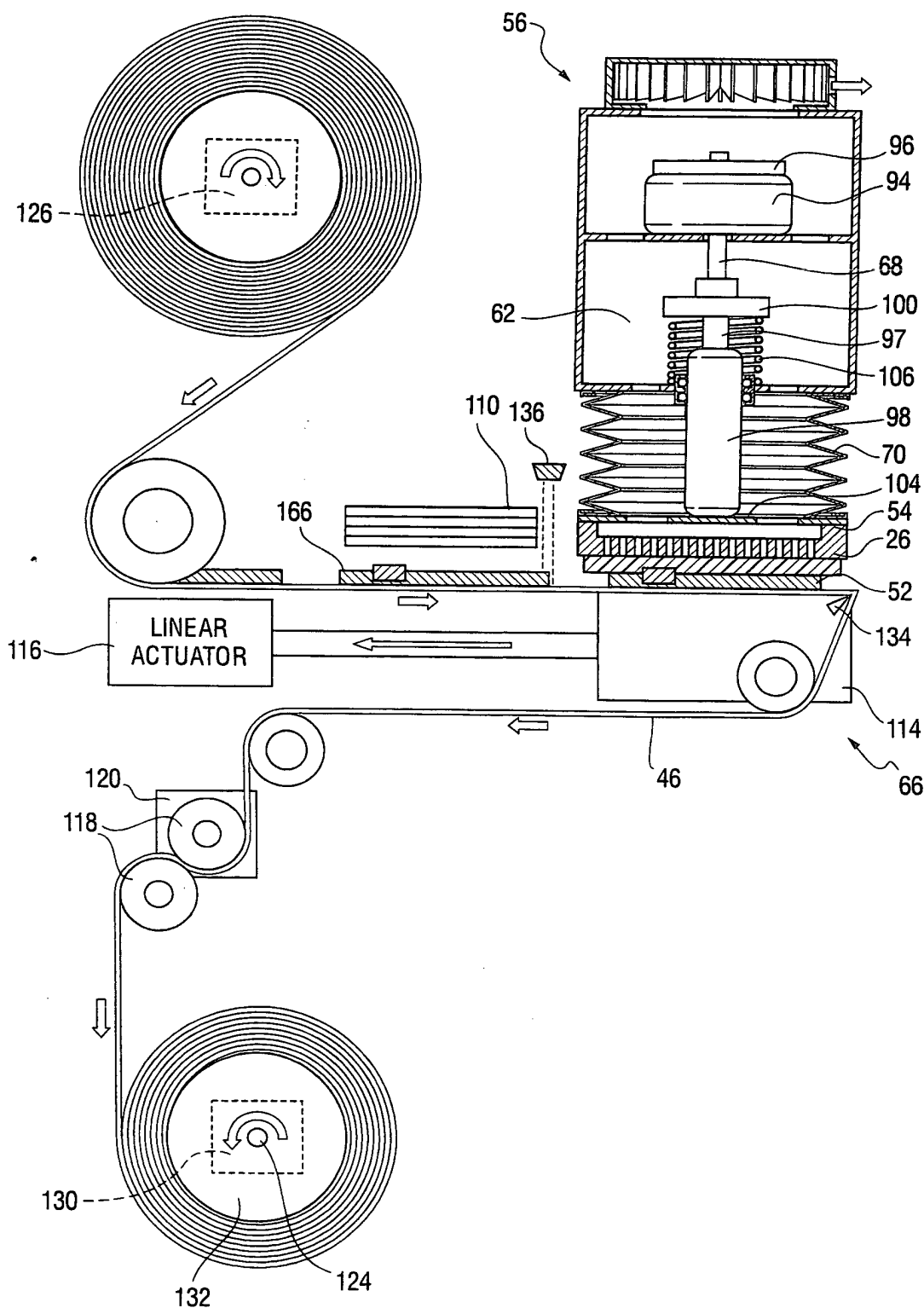
Fig. 8



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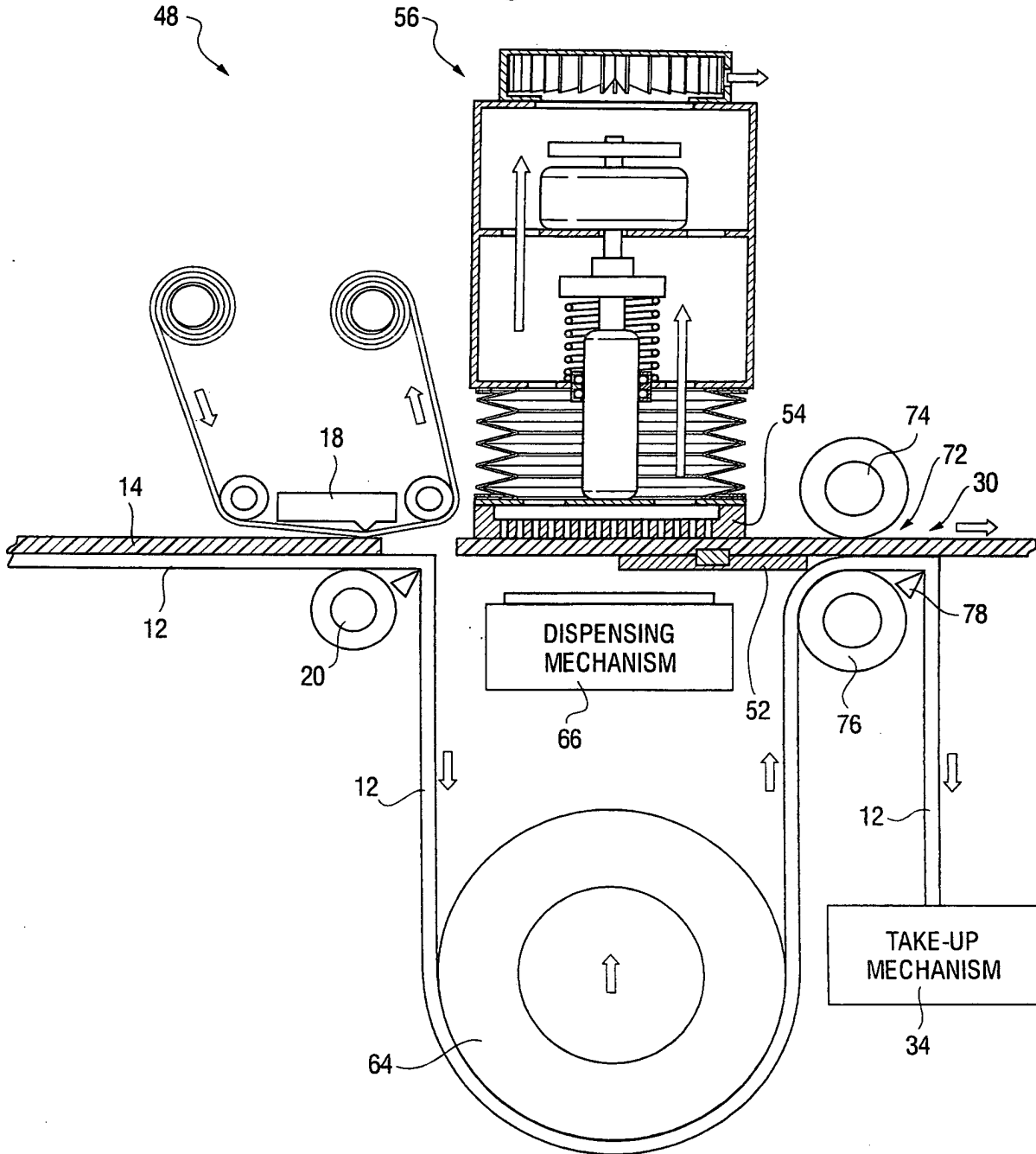
Fig. 9



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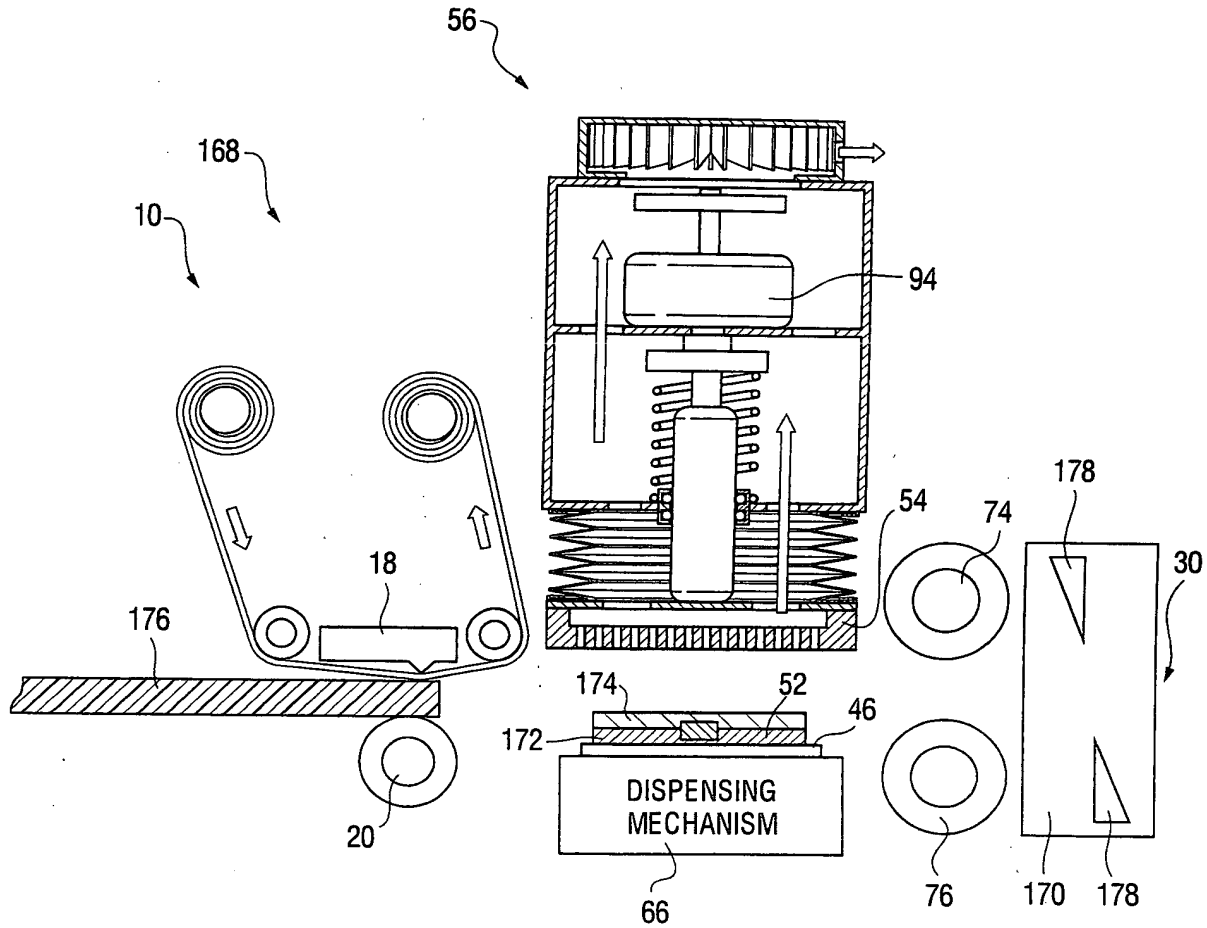
Fig. 10



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Fig. 11



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Fig. 12

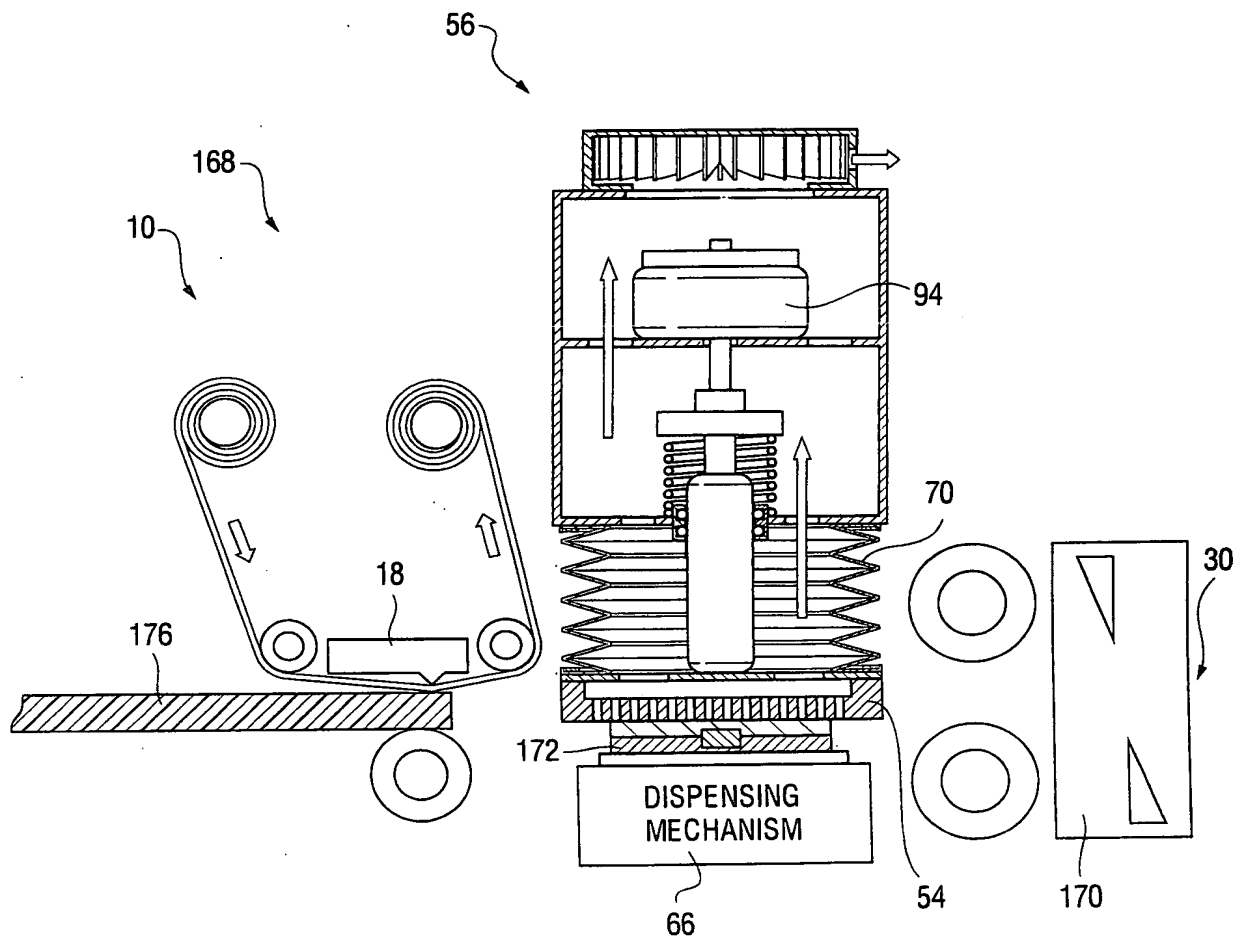
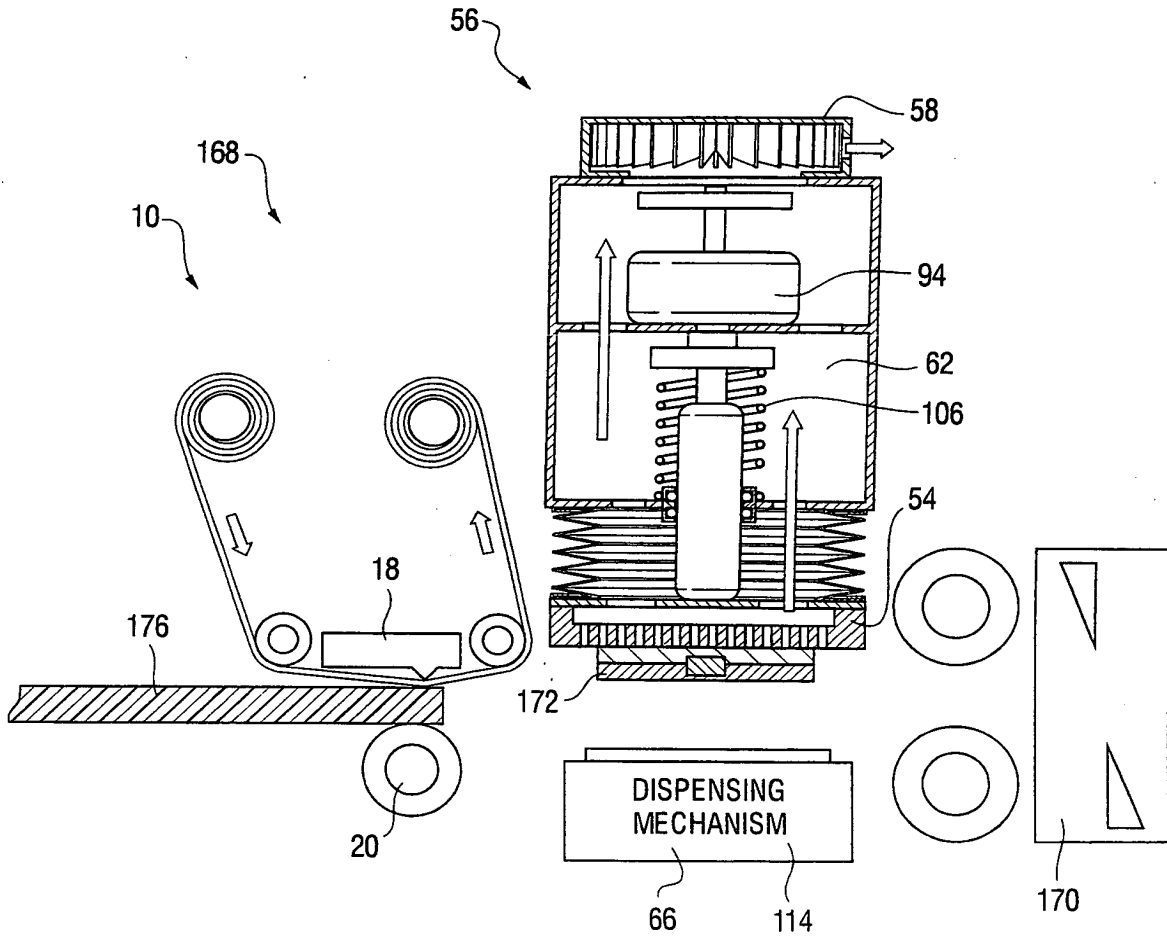
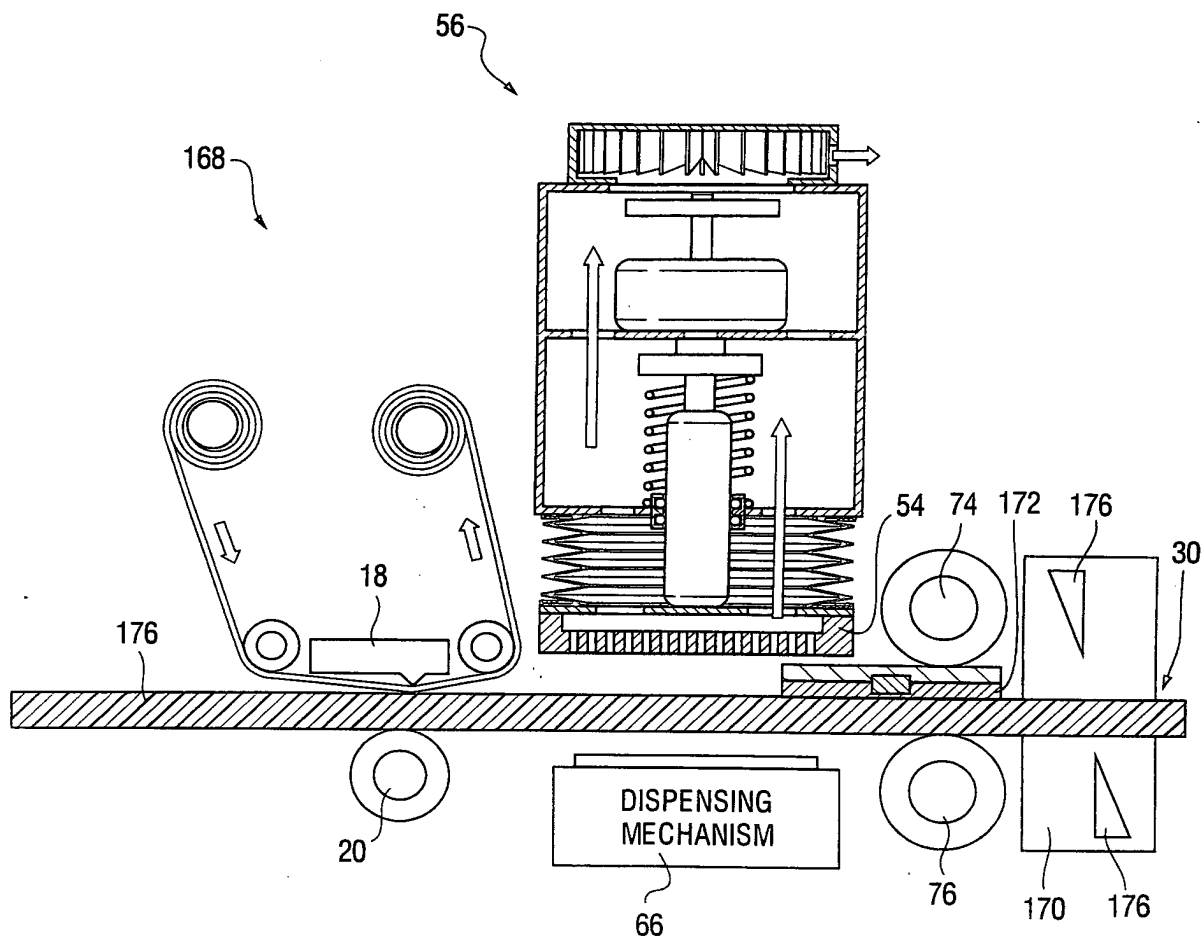


Fig. 13



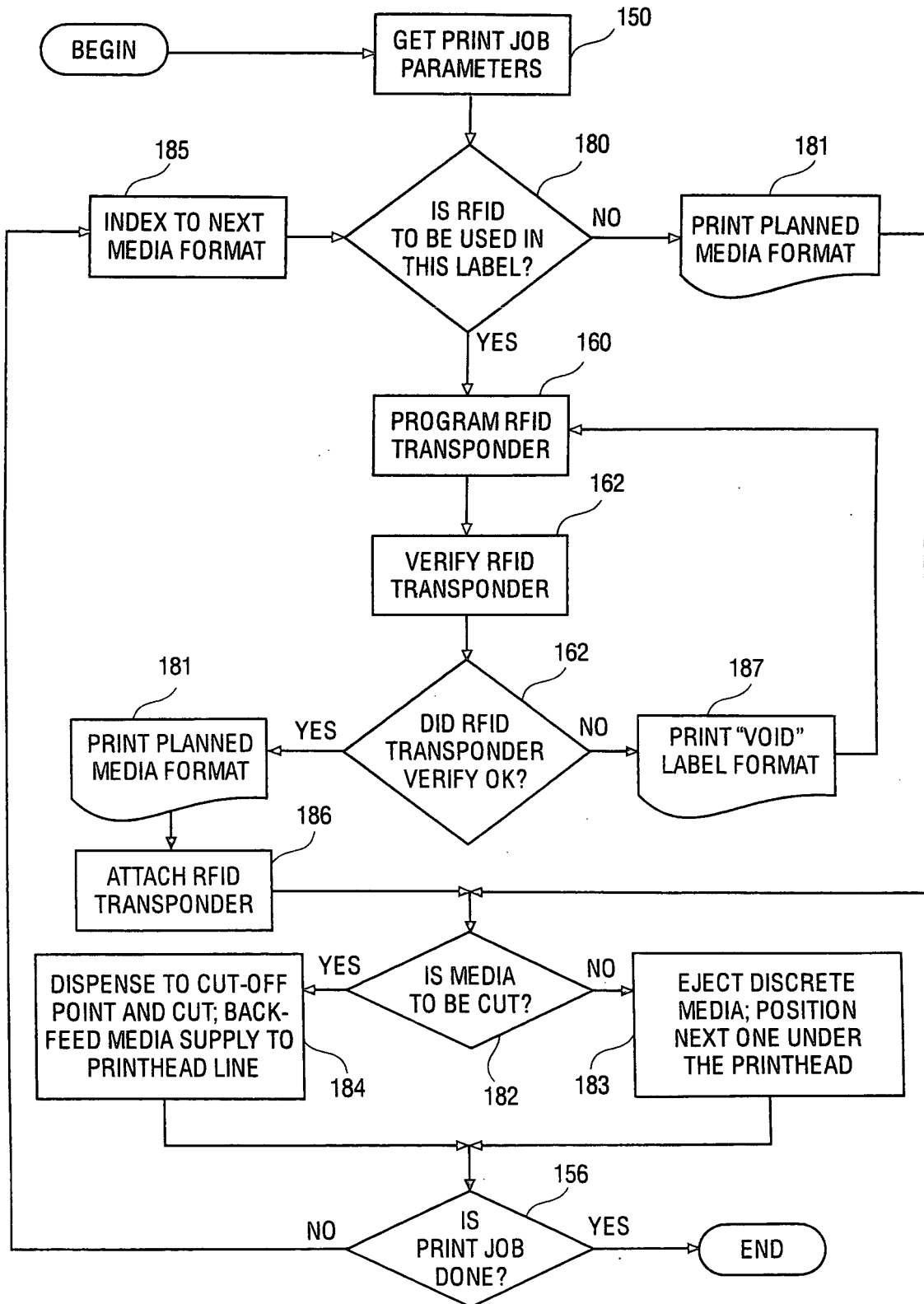
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Fig. 14



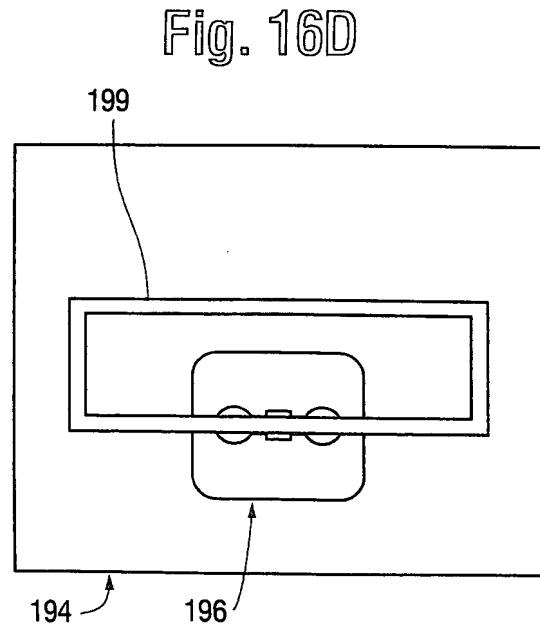
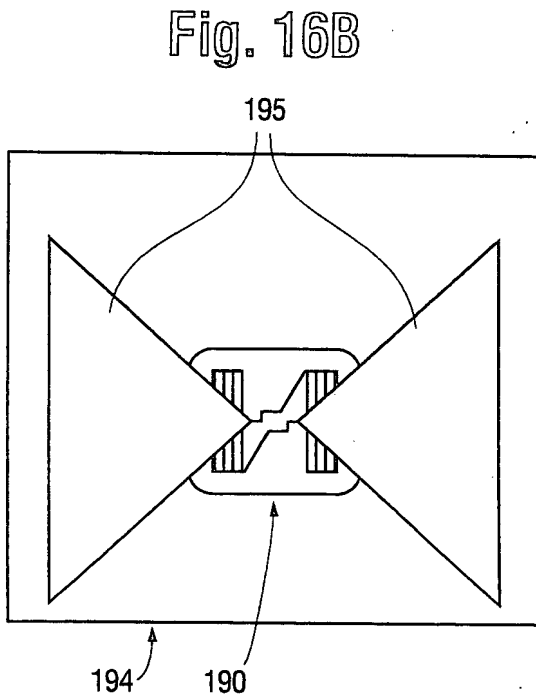
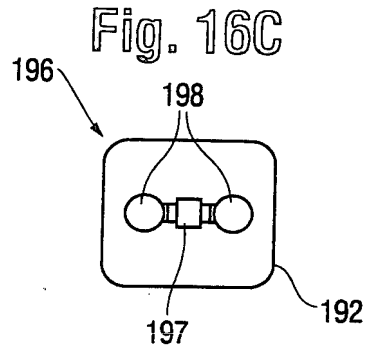
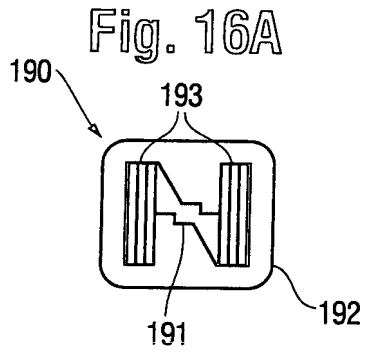
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FIG. 15



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Fig. 17A

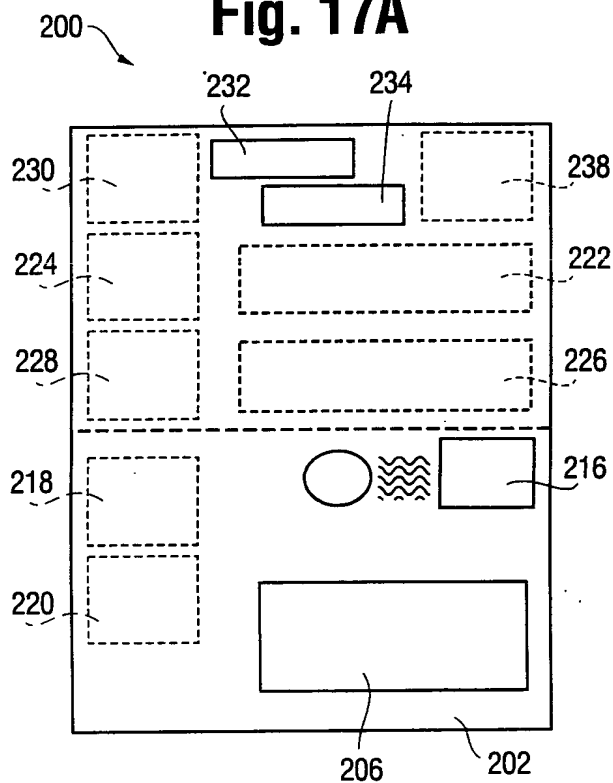


Fig. 17B

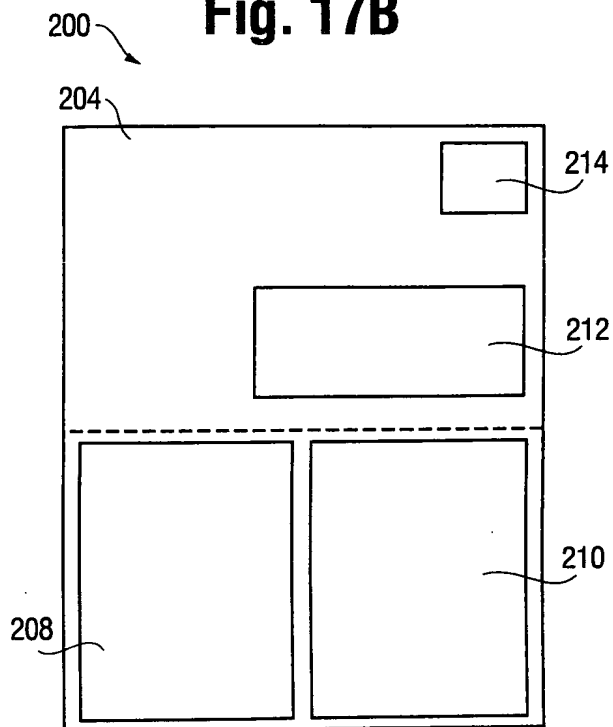
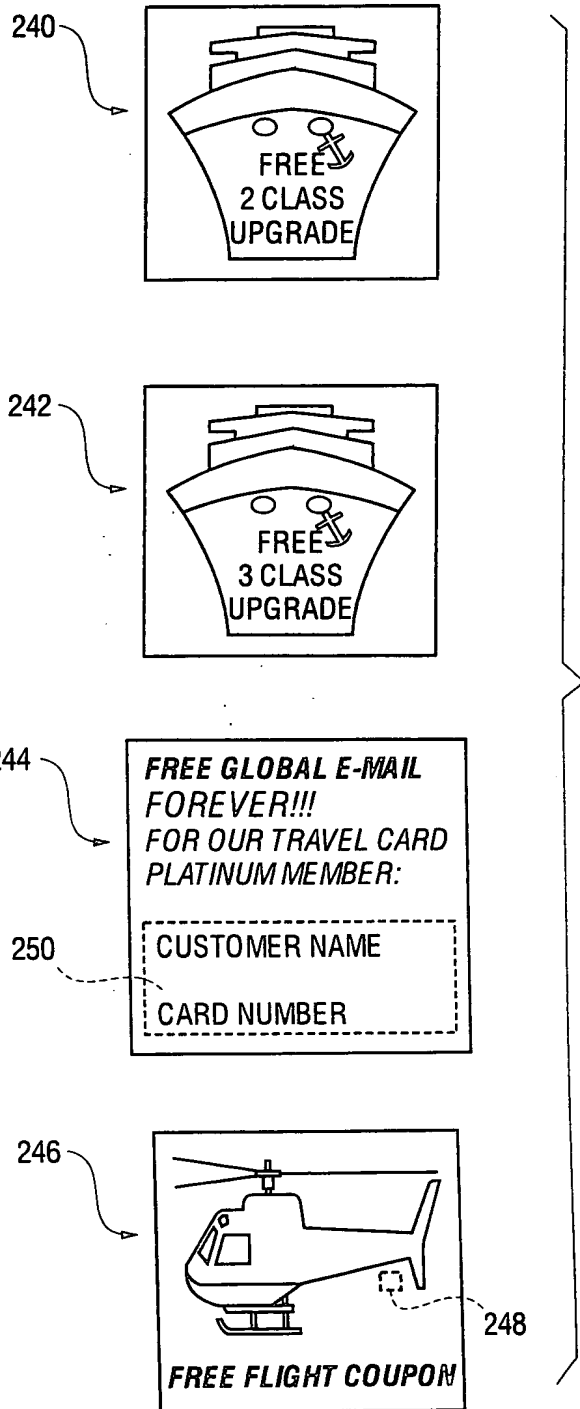


Fig. 18



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Fig. 19

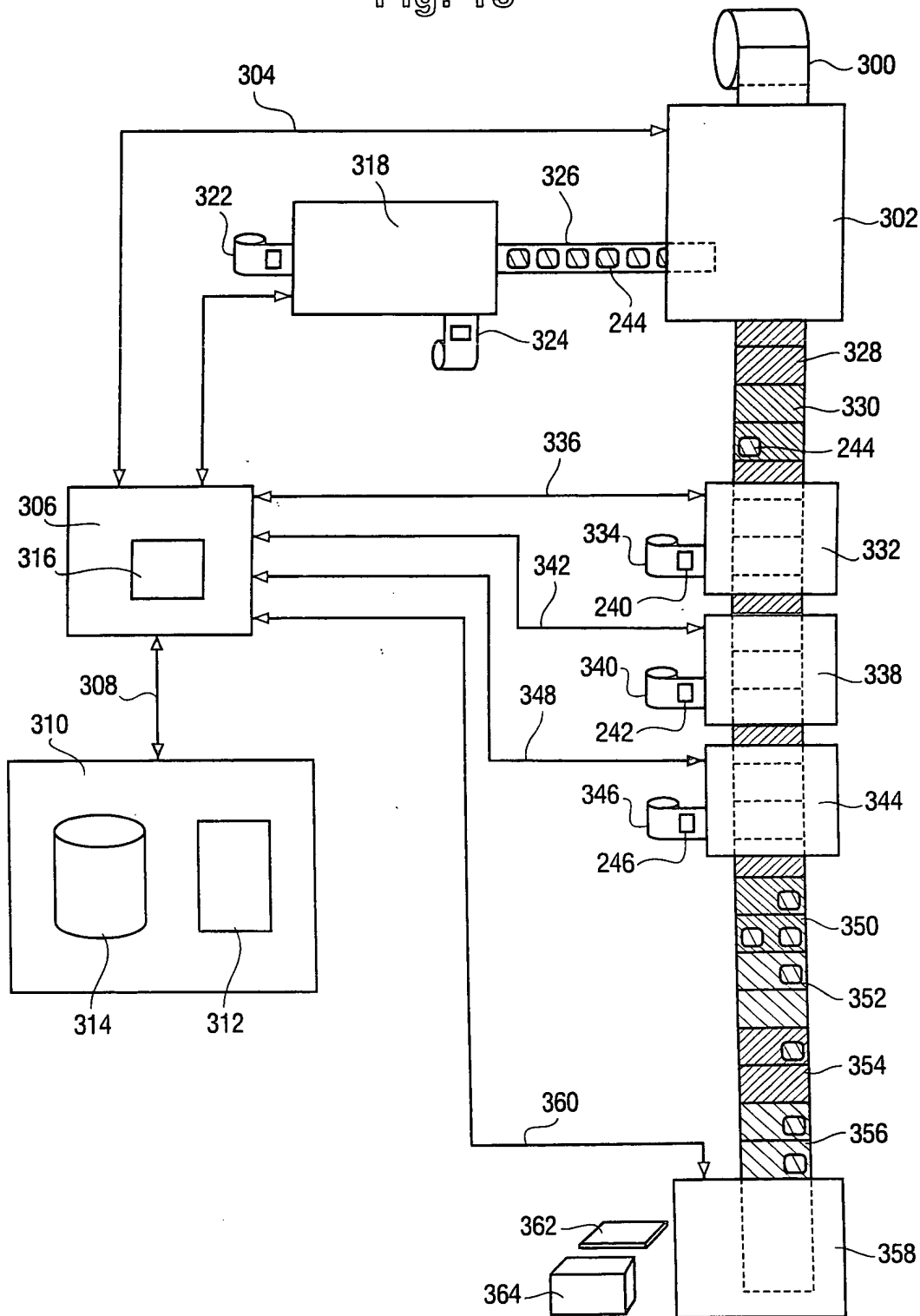
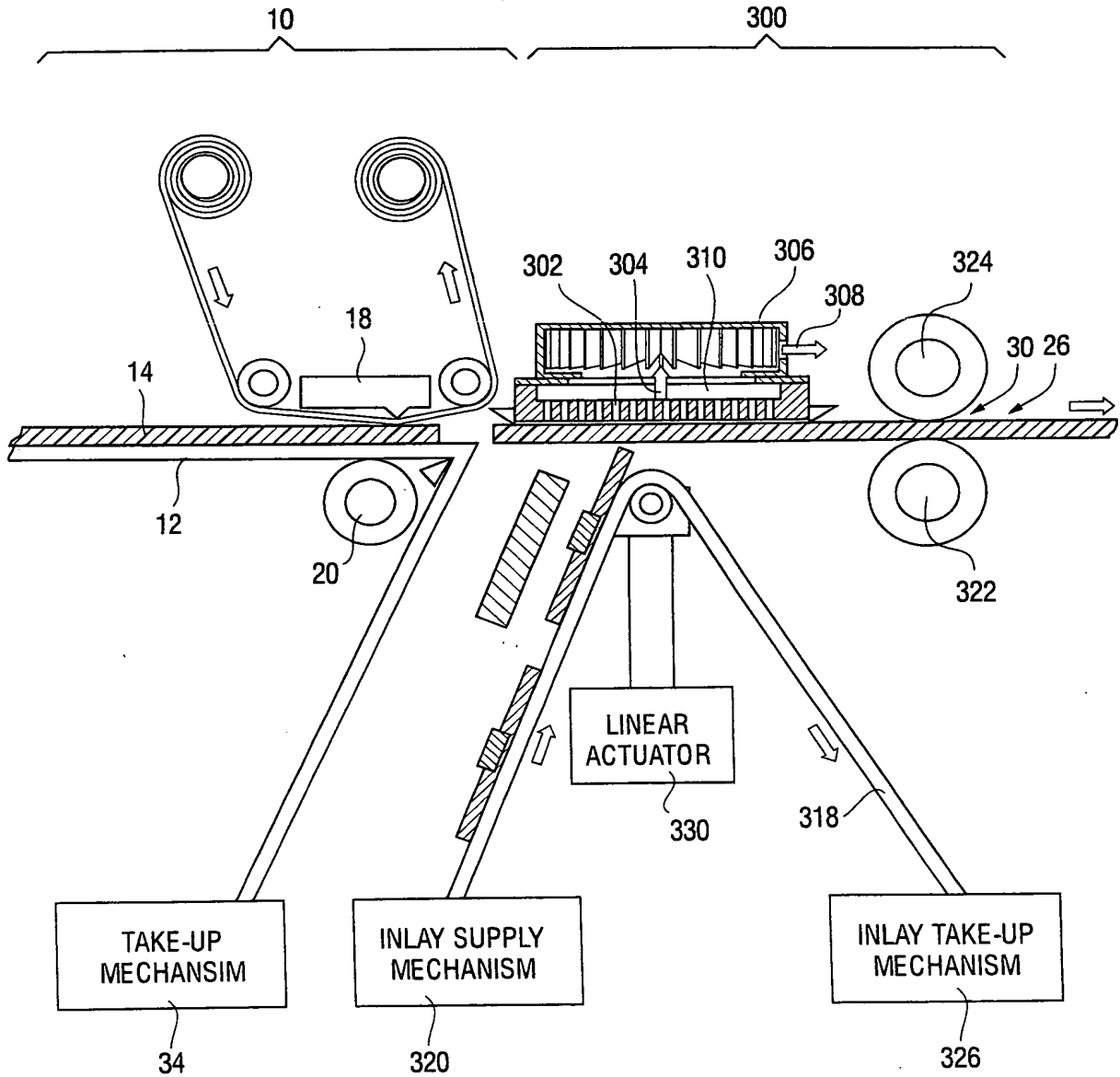


FIG. 19



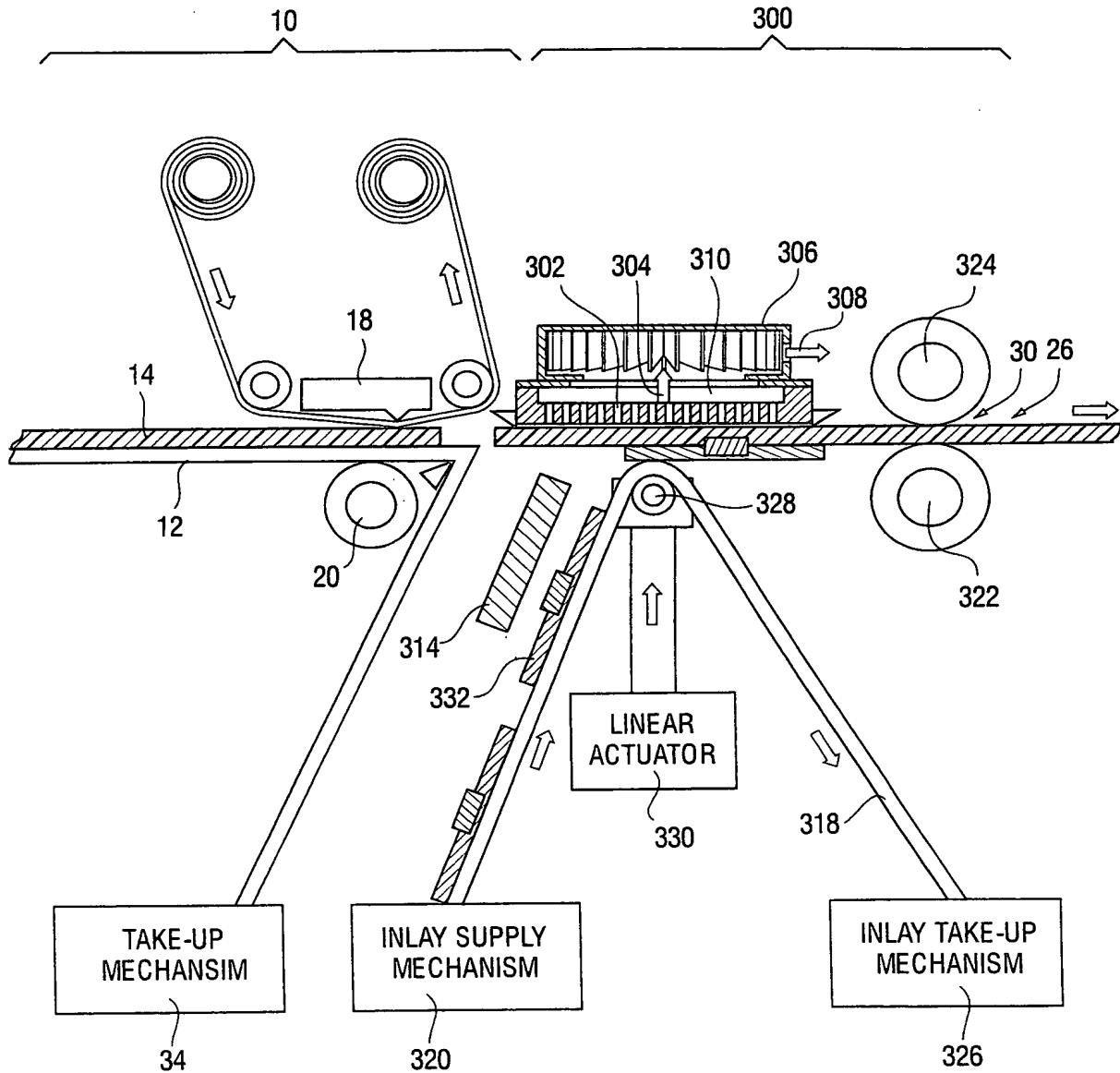
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Fig. 21



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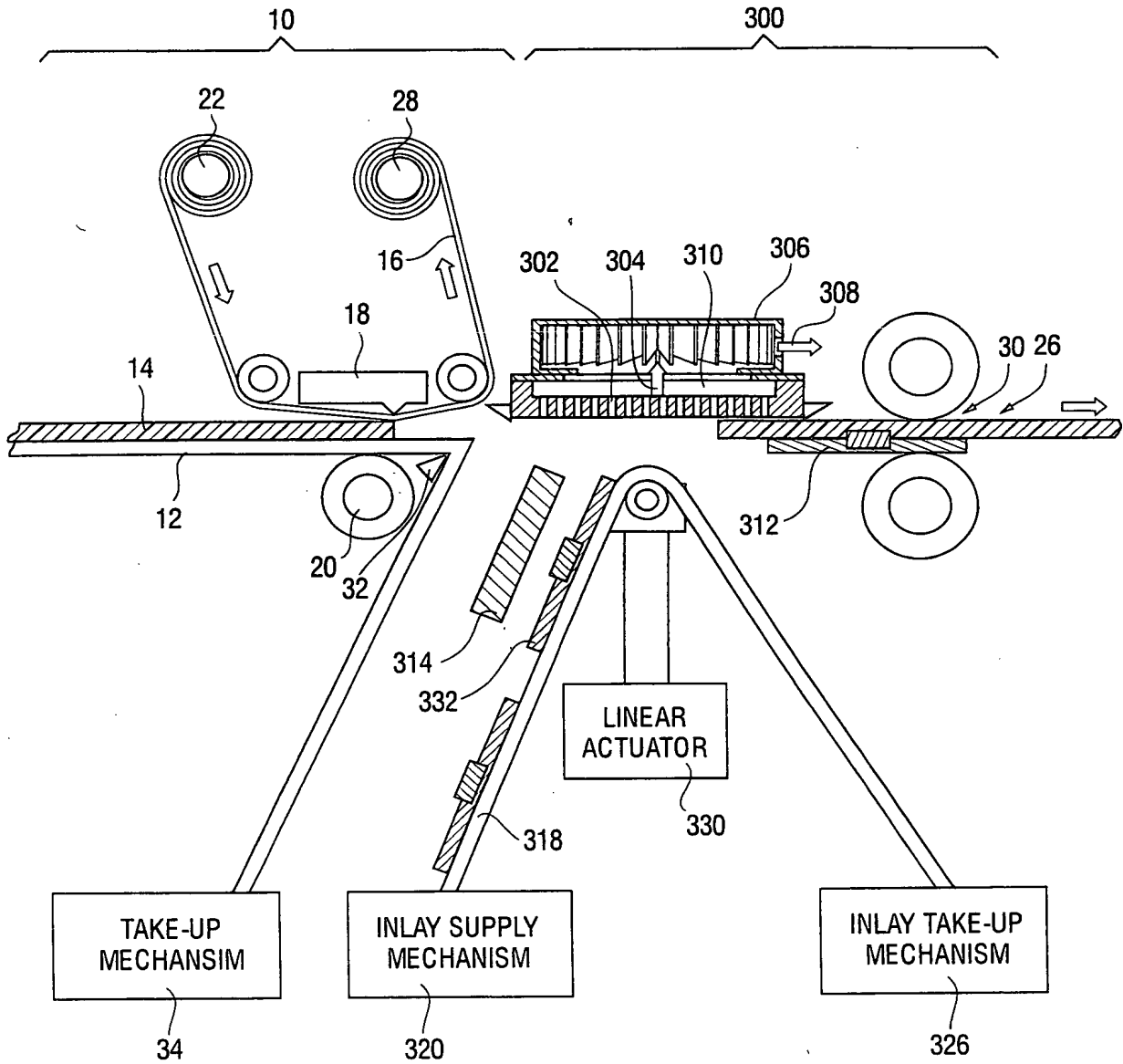
Fig. 22



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Fig. 23



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FIG. 24

